

C:\aa\lvs\v2c\simulations\[sim\_results\_summary\_080208.xls]PPP KF

aen - 080208

Uniform schedules: 32 Gbps; VLBI2010 antenna specs (12m, eff 50%, Tsys 50K)

JW sol'ns: OCCAM KF, clk 1e-14@50 rwirw, Vienna turb,wn 4, zwd 0.7,grd 0.5

SCHED INFO NEEDED										SOLUTIONS NEEDED			
Uniform schedule			uniform coverage		optimization reordering		required slew rates		median 3D repeatability (mm)				
# stns	# srces	interval (sec)	# min	stns drop'd	# obs	schedule?	az/el	over the top	base sol'n	el dep wt	(correlations)	sph harm	best (after best analysis is determined)
16	230	30	6	0	0	Y	>12/>3	6/8	0.95				
		30	6	1	5								
		45	9	0	0	Y	8/2						
		45	9	0	12	Y							
		45	9	1	5	Y	5/1.25						
		45	9	1	12	Y							
		60	12	0	0	Y	5/1.25						
		60	12	1	5								
		60	12	1	0	Y	4.5/1						
		120	24	0	0	Y				3.38			
		120	24	1	5								
24	230	45	9	1	5								
32	230	45	9	0	0	Y?							
		45	9	1	5								

#### d0In schedules

# stns	# srces		
16	230	3_0p7	3/0.7
		4p5_2p1	4.5/2.1
		6_2p1	6/2.1
		12_3p5	12/3.5

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DSM soln's SOLVE

SCHED INFO NEEDED										SOLUTIONS NEEDED			
Uniform schedule		uniform coverage		optimization reordering		required slew rates		median 3D repeatability (mm)				best (after best analysis is determined)	
# stns	# srcs	interval (sec)	# min	stns drop'd	# obs	schedule?	az/el	over the top	base sol'n	el dep wt	correlations	sph harm	
16	230	30	6	0	0	Y	>12/>3	6/8					
		30	6	1	5								
		45	9	0	0	Y		8/2					
		45	9	0	12	Y							
		45	9	1	5	Y		5/1.25					
		45	9	1	12	Y							
		60	12	0	0	Y		5/1.25					
		60	12	1	5								
		60	12	1	0	Y		4.5/1					
		120	24	0	0	Y							
24	230	120	24	1	5								
		45	9	1	5								
32	230	45	9	0	0	Y?							
		45	9	1	5								

#### d0In schedules

# stns	# srcs		
16	230	3_0p7	3/0.7
		4p5_2p1	4.5/2.1
		6_2p1	6/2.1
		12_3p5	12/3.5

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AP soln's PPP KF

SCHED INFO NEEDED										SOLUTIONS NEEDED			
Uniform schedule		uniform coverage		optimization reordering		required slew rates				median 3D repeatability (mm)			
# stns	# srcs	interval (sec)	# min	stns drop'd	# obs	schedule?	az/el	over the top	base sol'n	el dep wt	correlations	sph harm	best (after best analysis is determined)
16	230	30	6	0	0	Y	>12/>3	6/8					
		30	6	1	5								
		45	9	0	0	Y		8/2					
		45	9	0	12	Y							
		45	9	1	5	Y		5/1.25					
		45	9	1	12	Y							
		60	12	0	0	Y		5/1.25					
		60	12	1	5								
		60	12	1	0	Y		4.5/1					
		120	24	0	0	Y							
24	230	120	24	1	5								
		45	9	1	5								
32	230	45	9	0	0	Y?							
		45	9	1	5								

#### d0In schedules

# stns	# srcs		
16	230	3_0p7	3/0.7
		4p5_2p1	4.5/2.1
		6_2p1	6/2.1
		12_3p5	12/3.5